In re Application:

Application No.:   Patent No.:

Filed: Issue Date:

Title:

Commissioner for Patents
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
(REVOCATION OF PRIOR POWERS)

As assignee of record of each of the patent applications listed in the table of attachment A,

REVOCATION OF PRIOR POWERS OF ATTORNEY

all powers of attorney previously given in each of the listed patent applications are hereby revoked, and

NEW POWER OF ATTORNEY

the following attorneys/agents are hereby appointed to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: I hereby appoint all attorneys of Thomas, Kayden, Horstemeyer & Risley, LLP, who are listed under the USPTO Customer Number shown below as the attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Thomas, Kayden, Horstemeyer & Risley, LLP, and request that all correspondence about the application be addressed to the address filed under the same USPTO Customer Number:

15650

Patent Trademark Office

Please direct all future correspondence and telephone calls to:

Scott A. Horstemeyer, Reg. No. 34,183
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.
400 Interstate North Parkway
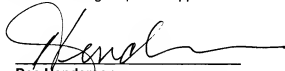Atlanta, Georgia 30339
770-933-9500

ASSIGNEE OF ENTIRE INTEREST

BROADCOM CORPORATION
5300 California Avenue
Irvine, California 92617-3038

ASSIGNEE CERTIFICATION

The certification under 37 C.F.R. §3.73(b) establishing the right of assignee to take action is attached hereto along with documentation evidencing same. Further, in my official position with Broadcom Corporation, I am authorized to sign documents and otherwise act on its behalf in connection with the management and handling of patent applications and other intellectual property matters.

Date: 9/13/11

Dee Henderson
Director - Intellectual Property Administration
Broadcom Corporation

No.	Serial No	Broadcom No./TKHR	Application Title	Filing Date	Broadcom Assignment (Reel/Frame)
1	10/349,705	BU2176.2 050228-1060	SYSTEM AND METHOD OF TRANSMISSION AND RECEPTION OF VIDEO USING COMPRESSED DIFFERENTIAL TIME STAMPS	01/22/03	013893/0316
2	10/174,355	BU2225 050228-1070	Method of timebase management for MPEG decoding with personal video recording functionality	06/18/02	013225/0783
3	10/174,384	BU2225.1 050228-1080	System and method for providing personal video recording trick modes	06/18/02	013358/0351
4	10/300,234	BU2267.3 050228-1090	A/V System and Method Supporting a Pull Data Flow Scheme	11/20/02	013666/0018
5	10/141,569	BU2292 050228-1100	System and method for multi-row decoding of video with dependent rows	05/08/02	012941/0145
6	12/490,570	BU2314C3 050228-1110	SYSTEM AND METHOD FOR PROVIDING GRAPHICS USING GRAPHICAL ENGINE	06/24/09	013331/0625
7	10/374,846	BU2390.2 050228-1120	System and method for replacing bitstream symbols with intermediate symbols	02/25/03	014017/0715
8	10/282,933	BU2528 050228-1130	System and method for implementing a single chip having a multiple sub-layer phy	10/29/02	013611/0672
9	12/644,917	BU2537C1 050228-1140	IMPLEMENTING AUTO-CONFIGURABLE DEFAULT POLARITY	12/22/09	013978/0123
10	12/325,647	BU2539C2 050228-1150	SYSTEM AND METHOD FOR GENERATING TWO EFFECTIVE FREQUENCIES USING A SINGLE CLOCK	12/01/08	013856/0277
11	10/313,697	BU2616.3 050228-1160	Splitter and combiner for multiple data rate communication system	12/06/02	013763/0408
12	12/185,665	BU2616.5C1 050228-1170	SWITCHBOARD FOR DUAL-RATE SINGLE-BAND COMMUNICATION SYSTEM	08/04/08	013762/0402
13	10/318,295	BU2638 050228-1180	Performing personal video recording (PVR) functions on digital video streams	12/11/02	014017/0896
14	11/608,127	BU2638.1C1 050228-1190	COMMAND PACKET SYSTEM AND METHOD SUPPORTING IMPROVED TRICK MODE PERFORMANCE IN VIDEO DECODING SYSTEMS	12/07/06	014058/0441
15	10/414,593	BU2644 050228-1200	System and method for supporting auto-negotiation among standards having different rates	04/15/03	014179/0628
16	10/330,416	BU2650 050228-1210	Method and system for synchronizing a transceiver and a downstream device in an optical transmission network	12/27/02	014004/0744

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17	10/658,139	BU2715 050228-1220	Method and system for providing seamless connectivity and communication in a multi-band multi-protocol hybrid wired/wireless network	09/09/03	014225/0147
18	12/431,617	BU2724C1 050228-1230	COMMUNICATION SYSTEM AND METHOD IN A HYBRID WIRED/WIRELESS LOCAL AREA NETWORK	04/28/09	013895/0640
19	10/438,237	BU2735.1 050228-1240	Integral eye-path alignment on telephony and computer video devices using two or more image sensing devices	05/14/03	013805/0729
20	10/647,963	BU2739 050228-1250	System and method for integrating multiserver platforms	08/26/03	014447/0015
21	12/947,179	BU2745C1 050228-1260	METHOD AND SYSTEM TO PROVIDE BLADE SERVER LOAD BALANCING USING SPARE LINK BANDWIDTH	11/16/10	014544/0575
22	10/377,442	BU2771 050228-1270	Quality of service (QOS) metric computation in voice over IP systems	02/28/03	014077/0996
23	10/600,162	BU2798 050228-1280	System, method, and apparatus for simultaneously displaying multiple video streams	06/20/03	014152/0575
24	12/392,074	BU2800C1 050227-1290	PERSONAL INTER-HOME MEDIA EXCHANGE NETWORK	02/24/09	014222/0265
25	10/610,247	BU2854 050228-1300	System, method, and apparatus for playing back a plurality of video elementary streams with one playback channel	06/30/03	014133/0886
26	11/685,148	BU2923C1 050228-1310	High Quality Audio Conferencing With Adaptive Beamforming	03/12/07	014331/0522
27	12/501,121	BU2931C1 050228-1320	SYSTEM, METHOD, AND APPARATUS FOR PROVIDING MASSIVELY SCALED DOWN VIDEO USING ICONIFICATION	07/10/09	016291/0584
28	10/714,216	BU2934 050228-1330	Last frame repeat	11/14/03	014380/0759
29	10/635,143	BU2957 050228-1340	Frame indexing technique to improve personal video recording functionality and security of transmitted video	08/06/03	014141/0606
30	10/850,130	BU2959 050228-1350	Method and apparatus for DRAM 2D video word formatting	05/20/04	014907/0722
31	10/850,911	BU2963 050228-1360	Video data cache	05/21/04	015071/0153
32	10/750,523	BU3058 050228-1370	Mini-translation lookaside buffer for use in memory translation	12/31/03	014640/0120
33	11/536,409	BU3148C1 050228-1380	SYSTEM, METHOD, AND APPARATUS FOR DISPLAY MANAGER	09/28/06	014217/0180

No.	Serial No	Broadcom No./TKHR	Application Title	Filing Date	Broadcom Assignment (Reel/Frame)
34	10/810,998	BU3206 050228-1390	Collaborative coexistence with dynamic prioritization of wireless devices	03/26/04	015159/0341
35	10/940,146	BU3272 050228-1400	Method and system for direct access memory testing of an integrated circuit	09/13/04	015378/0875
36	10/779,234	BU3407 050228-1410	Method and system for seamless dual switching in a port bypass controller	02/13/04	014688/0407
37	10/871,758	BU3461 050228-1420	Detection and phase lock of pull-down video	06/17/04	015062/0807
38	10/945,817	BU3463 050228-1430	Method and system for quantized historical motion for motion detection in motion adaptive deinterlacer	09/21/04	015398/0551
39	10/816,724	BU3473 050228-1440	Compressed structure for slice groups in start code table	04/04/04	014791/0717
40	10/819,868	BU3474 050228-1450	Unicast cable content delivery	04/07/04	014857/0216
41	10/874,634	BU3490 050228-1460	Pause and freeze for digital video streams	06/23/04	015075/0739
42	11/149,097	BU3492 050228-1470	System and method for video teleconferencing via a video bridge	06/09/05	017161/0056
43	10/847,834	BU3496 050228-1480	Index table generation in PVR applications for AVC video streams	05/18/04	014891/0835
44	12/725,060	BU3533.1C1 050228-1490	METHOD AND SYSTEM FOR ANTENNA SELECTION DIVERSITY WITH BIASING	03/16/10	023759/0484
45	10/810,408	BU3533.2 050228-1500	Method and system for antenna selection diversity with minimum threshold	03/26/04	022299/0916
46	10/932,832	BU3554 050228-1510	Standalone hardware accelerator for advanced encryption standard (AES) encryption and decryption	09/02/04	015414/0862
47	10/926,374	BU3584 050228-1520	Fast channel change	08/25/04	015977/0829
48	11/046,378	BU3584.2 050228-1530	Anticipatory video signal reception and processing	01/28/05	016037/0399
49	11/119,615	BU3643.1 050228-1540	METHOD AND SYSTEM FOR GENERATING A TRANSFORM SIZE SYNTAX ELEMENT FOR VIDEO DECODING	05/02/05	022299/0916
50	11/410,144	BU3914 050228-1550	Spotlight effect in video processing and playback	04/25/06	017824/0400
51	10/957,915	BU3918 050228-1560	System, method and apparatus for clean channel change	10/04/04	015415/0171

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52	11/135,941	BU3933 050228-1570	Motion estimation using camera tracking movements	05/24/05	017371/0560
53	11/088,456	BU3939 050228-1580	System, method, and apparatus for embedding personal video recording functions at picture level	03/24/05	016291/0580
54	11/286,844	BU3957I1 050228-1590	Method and system for collocated IEEE 802.11 B/G WLAN, and BT with FM in coexistent operation	11/22/05	017209/0476
55	11/143,378	BU3958 050228-1600	Method and system for sharing a single antenna on platforms with collocated Bluetooth and IEEE 802.11 b/g devices	06/02/05	016702/0660
56	12/338,927	BU3985C1 050228-1600	MECHANISM FOR IMPROVED INTEROPERABILITY WHEN CONTENT PROTECTION IS USED WITH AN AUDIO STREAM	12/18/08	016380/0344
57	11/019,072	BU3988 050228-1620	Method and system for role management for complex bluetooth devices	12/21/04	023500/0861
59	11/018,973	BU4029 050228-1630	Method and system for low power mode management for complex bluetooth devices	12/21/04	016155/0060
59	11/256,174	BU4075 050228-1640	Method and apparatus for remote personal video storage and retrieval	10/24/05	017138/0935
50	11/403,880	BU4077 050228-1650	Method and apparatus for generating video for a viewing system from multiple video elements	04/14/06	017792/0878
61	11/051,415	BU4109 050228-1660	Method and system for trick mode support in a motion adaptive deinterlacer with inverse telecine	02/04/05	016464/0955